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	Application No.	Applicant(s)
	10/716,085	ARSLAN ET AL.
Notice of Allowability	Examiner	Art Unit
•	Curtis B. Odom	2611
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>RCE filed on 8/23/2007</u> .		
2. The allowed claim(s) is/are 23-28.		
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the:		
1. Certified copies of the priority documents have been received.		
2. Certified copies of the priority documents have been received in Application No		
 Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). 		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. Notice of References Cited (PTO-892)	5. Notice of Informal F	Patent Application
Notice of Preferences Cited (PTO-992) Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	• •
	Paper No./Mail Da	te
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. Examiner's Amendi	ment/Comment
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		ent of Reasons for Allowance
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Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance: Claims 23-28 are allowable over prior art references because related references do not discloses a method/apparatus for receiving a signal from a multiple-input-multiple-output (MIMO) communication channel having a plurality of input channels and a plurality of output channels, the method/apparatus generating initial taps that represent an impulse response estimate of the MIMO communication channel; generating prefilter taps based on the initial taps; generating output channel taps based on the generated initial taps and the generated prefilter taps; prefiltering the received signal using the generated prefilter taps to generate an output signal, the output signal comprising a signal component and a noise component, which filtered noise affecting the output channels are mutually independent; and selecting the prefilter taps generated from the generated initial taps by calculating a maximized ratio of signal energy to noise energy (SNR) in some of the output channel taps in relation to a weighted sum of ratios of signal energy in other of the output channel taps and energy of the noise component of the prefiltered output signal.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Curtis B. Odom whose telephone number is 571-272-3046. The examiner can normally be reached on Monday- Friday, 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shuwang Liu can be reached on 571-272-3036. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Curtis Odom September 3, 2007